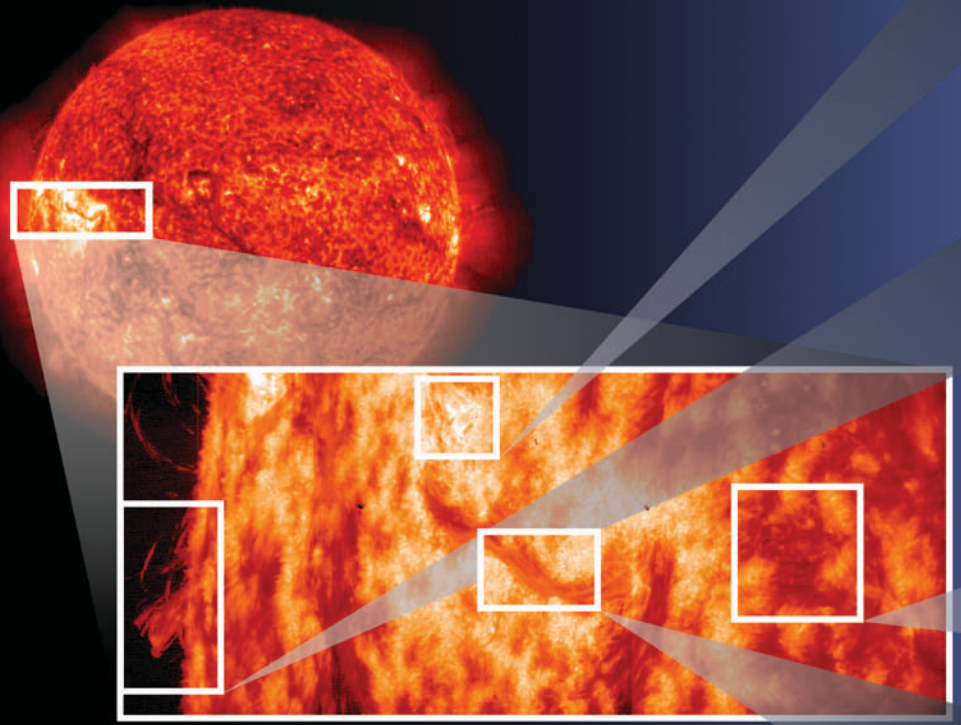
Solar Imaging
With The
Very High Angular Resolution Ultraviolet Telescope (VAULT)



VAULT Field of View

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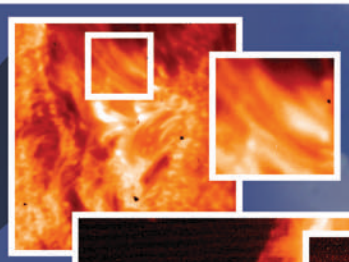
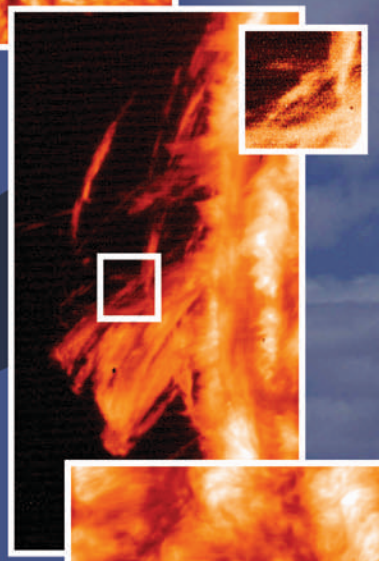
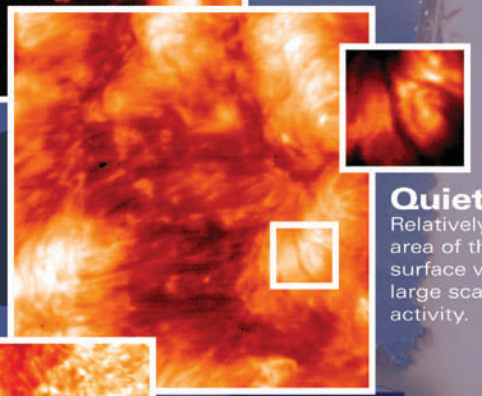


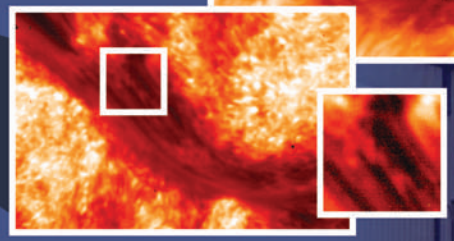
Active Region
Localized area with enhanced magnetic fields in which plages, sunspots, flares, and filaments are generally observed.



Prominence
Dense clouds of material suspended above the solar surface by magnetic field loops. Prominences and filaments are actually the same thing viewed from different perspectives. Prominences project out from the limb, or edge, of the sun, and filaments are viewed on the face of the sun. Both filaments and prominences can remain in a quiet state for days or weeks, but can erupt and rise off of the sun in a few minutes or hours as the magnetic loops that support them change.



Quiet Sun
Relatively quiescent area of the solar surface with minimal large scale magnetic activity.



Filament
Dense, somewhat cooler strands of material suspended above the solar surface by magnetic field loops.